نویسندگان:

Rahim Saneifard - *Department of Mathematics, Urmia Branch, Islamic Azad University, Urmia, Iran*

Rasoul Saneifard - *Department of Engineering, Texas Southern University, Houston, Texas, USA.*

خلاصه مقاله:

Several authors have proposed different methods to find the solution of fully fuzzy linear programming (FFLP) problems. But all the existing methods are based on the assumption that all the fuzzy coefficients and the fuzzy variables are non-negative fuzzy numbers. in this paper a new method is proposed to solve an FFLP problems with arbitrary fuzzy coefficients and arbitrary fuzzy variables, that is, there is no restriction on the elements that have been used in the FFLP problems. By using the radius of gyration function (ROG) we show that fuzzy solution obtained of solving FFLP problems, is exact fuzzy optimal solution of FFLP problems. The introduce method are very easy to understand and to apply for fully fuzzy linear systems occurring in real life situation.

کلمات کلیدی:

Fully fuzzy linear programming, Exact fuzzy optimal solution, Ranking function, Radius of gyration